

ABSTRACT OF THE DISCLOSURE

Disclosed herein is a method of inspecting influence of stray light which occurs in a radiation image reader. The inspection method comprises the steps of: preparing a storable fluorescent inspection sheet that has stored and recorded a radiation inspection image which has a density pattern in which one or more low-density and high-density regions having a contrast difference of at least 1:20 are arrayed in a horizontal scanning direction; obtaining an image inspection signal representing the radiation inspection image, by photoelectrically reading the radiation inspection image from the storable fluorescent inspection sheet; and inspecting the influence of stray light, based on an image reproduced from the image inspection signal.